AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus for setting brightness control codes used to control a brightness of a display screen, comprising:

a sensor configured to measure a brightness of a display screen at each of a plurality of brightness levels and to output ~~a~~ brightness ~~signal~~ signals corresponding to each of the plurality of brightness levels; and

a controller configured to receive the brightness [signal] signals and to compare the received brightness signals with a plurality of brightness signals set according to an output feature of display and to output brightness control codes based on the ~~brightness signal~~ comparison, wherein the brightness control codes ~~can be used~~ to selectively adjust a brightness of the display screen, the brightness control codes structured in an EDID format.

2-3. (Canceled)

4. (Original) The apparatus of claim 1, wherein the controller is configured to record the brightness control codes in a memory of a computer system.

5. (Original) The apparatus according to claim 1, wherein the controller is configured to record the brightness control codes in a memory of the display screen.

6. (Original) The apparatus according to claim 1, wherein the controller is configured to output the brightness control codes to at least one of a system BIOS of a computer, an operating system of a computer, and a microcontroller of a computer system.

7. (Original) The apparatus according to claim 1, wherein the sensor comprises at least one photodiode.

8. (Original) The apparatus according to claim 1, wherein the sensor comprises a jig configured to be temporarily attached to the display screen.

9. (Canceled)

10. (Previously Presented) The apparatus according to claim 1, wherein the brightness control codes comprise information used to control a power inverter of a liquid crystal display.

11. (Original) The apparatus according to claim 1, wherein the brightness control codes includes high temperature brightness control codes that indicate how to control the brightness of the display screen when the display screen is operated at high temperatures.

12. (Currently Amended) A display screen for a computer system, comprising:

a display portion of the computer system for displaying an image; and

a memory of the computer system configured to store a plurality of brightness control codes set by feature of a display by products that can be used by ~~the~~ a controller of ~~a~~ the computer system to set the display screen to a corresponding plurality of predetermined brightness levels.

13. (Original) The display screen according to claim 12, wherein the memory is configured to store the brightness control codes in an EDID format.

14. (Original) The display screen according to claim 12, wherein the memory is configured to store inverter control codes that can be used to control an inverter that supplies power to the display screen.

15. (Currently Amended) A computer system, comprising:

a display screen of the computer system;

a sensor of the computer system configured to sense a brightness of the display screen at a plurality of brightness levels and to output ~~a~~ brightness ~~signal~~signals; and

a controller of the computer system coupled to the display screen and the sensor and configured to ~~control a brightness of the display screen~~ reset a plurality of brightness control codes corresponding to the plurality of brightness levels based on the brightness ~~signal~~ signals output by the sensor.

16. (Original) The computer system according to claim 15, wherein the sensor comprises at least one photodiode.

17. (Original) The computer system according to claim 15, further comprising an inverter, coupled to the display screen and the controller and configured to provide power to the display screen, wherein the controller controls the inverter to adjust the brightness of the display screen.

18. (Currently Amended) The computer system of claim 15, ~~wherein the controller is configured to generate brightness control codes based on the brightness signal of the sensor, and~~ wherein the brightness control codes ~~can be used~~ to selectively adjust a brightness of the display screen.

19. (Original) The computer system according to claim 18, wherein the controller is configured to store the brightness control codes in at least one of system BIOS, an operating system, and a microcontroller of the computer system.

20. (Original) The computer system according to claim 18, wherein the brightness control codes are structured in an EDID format.

21. (Original) The computer system according to claim 18, wherein the brightness control codes include high temperature brightness control codes that indicate how to control the brightness of the display screen when the display screen is operated at high temperatures.

22. (Original) The computer system according to claim 15, wherein the sensor is installed at a center or one side of the display screen.

23. (Currently Amended) A method for controlling a brightness level of a display in a computer system, the method comprising:

reading brightness control codes from a memory of the display in the computer system, wherein each of the brightness control codes corresponds to a different predetermined brightness level of the display, and the stored brightness control codes are set by feature of the display by products; and

controlling a brightness of the display using the brightness control codes and a brightness control code received from a sensor.

24. (Canceled)

25. (Currently Amended) The method according to claim 23, wherein the reading comprises reading the brightness control codes from the display that are provided in an EDID format.

26. (Previously Presented) The method according to claim 23, wherein the reading includes reading high temperature control codes from the display, wherein the high temperature control codes provide information about controlling a brightness of the display when the display is operating at a high temperature.

27. (Currently Amended) The method according to claim 23, wherein the reading comprises reading the brightness control codes that provide information about how to control an inverter coupled to the display to control a brightness of the display.

28. (Currently Amended) A method of setting brightness control codes of a display, comprising:

driving the display;

sensing a brightness of the display;

adjusting the driving of the display until the display is driven at a predetermined brightness level; and

setting a brightness control code corresponding to the predetermined brightness level, wherein the driving includes initially driving the display using a brightness control code provided by a display manufacturer, and wherein setting the brightness control code includes setting a new brightness control code that replaces the brightness control code provided by the display manufacturer.

29. (Previously Presented) The method according to claim 28, wherein the driving comprises initially driving the display screen using a brightness control code provided by the display manufacturer, and wherein the setting comprises setting a new brightness control code that replaces the brightness control code provided by the display manufacturer.

30. (Previously Presented) The method according to claim 28, wherein the driving, sensing, adjusting and setting are performed a plurality of times to set a plurality of different brightness control codes corresponding to a plurality of different predetermined brightness levels.

31. (Previously Presented) The method according to claim 30, further comprising storing the plurality of brightness control codes in a memory of the display.

32. (Previously Presented) The method according to claim 30, further comprising storing the plurality of brightness control codes in at least one of a system BIOS, an operating system and a microcontroller of a computer system.

33. (Previously Presented) The method according to claim 30, wherein the setting comprises setting brightness control codes that indicate how to control an inverter that supplies power to the display.

34. (Previously Presented) The method according to claim 30, wherein the setting includes setting high temperature brightness control codes that provide information about how to control a brightness of the display when the display is operating at a high temperature.

35. (Currently Amended) ~~A~~ The method according to claim 28, wherein the adjusting comprises changing a signal applied to an inverter that supplies power to the display to adjust a brightness of the display.

36. (Previously Presented) A method of controlling a display, comprising:

driving the display;

sensing a brightness of the display;

adjusting the driving of the display until the display is driven at a predetermined brightness level;

setting a brightness control code corresponding to the predetermined brightness level;

repeating the driving, sensing, adjusting and setting a plurality of times to set a plurality of different brightness control codes corresponding to a plurality of different predetermined brightness levels; and

using one of the brightness control codes corresponding to a desired brightness level to drive the display at the desired brightness level.

37. (Previously Presented) The method according to claim 36, wherein the using comprises using a brightness control code corresponding to the desired brightness to control an inverter that supplies power to the display.

38. (Previously Presented) The method according to claim 36, wherein the brightness control code is set after the display is driven at the predetermined brightness level.

39. (Previously Presented) The method according to claim 36, wherein the brightness control codes are provided in an EDID format.

40. (Previously Presented) The method according to claim 28, wherein the brightness control codes are provided in an EDID format.

41. (Previously Presented) The method of claim 28, wherein setting the brightness control code occurs after adjusting the driving of the display.

42. (Previously Presented) The apparatus of claim 2, wherein the controller sets the brightness control code after the display screen is adjusted to the predetermined brightness level.

43. (New) An apparatus for setting brightness control codes used to control a brightness of a display screen, comprising:

a sensor configured to measure a brightness of a display screen and to output a brightness signal; and

a controller configured to receive the brightness signal and to compare the received brightness signal with a predetermined plurality of brightness signals set according to an output

feature of display by products and to output brightness control codes based on a result of the comparison, wherein the brightness control codes to selectively adjust a brightness of the display screen.